

IN THE CLAIMS:

The text of all pending claims (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1, 12 and 23, and ADD new claim 26 in accordance with the following:

1. (CURRENTLY AMENDED) A polytrimethylene terephthalate composition comprising a polymer component ~~together with a combination of~~ and at least one component selected from the group consisting of:

(I) a combination of Component A and Component B, and/or

(II) Component C,

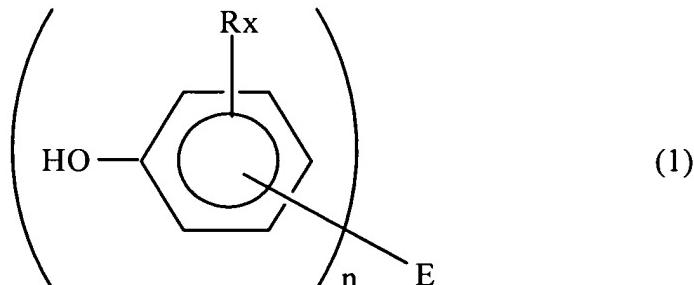
(III) a combination of Component A and Component C,

(IV) a combination of Component B and Component C, and

(V) a combination of Component A, Component B and Component C,

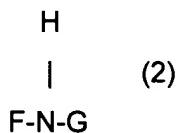
from 10 to 100% by mole of said polymer component being polytrimethylene terephthalate composed of trimethylene terephthalate repeating units, wherein:

said Component A is a compound having a phenolic hydroxy group (a) represented by formula (1):



and/or a modified derivative thereof, wherein each R is independently selected from C₁₋₃₀ alkyl and at least one R is in the ortho position with respect to the respect phenolic hydroxy group; X is an integer of 1 to 4; E is C₅₋₆₀ hydrocarbyl or heterocarbyl; and n is an integer of 1 to 4;

said Component B is a compound having a secondary amine structure (b) represented by formula (2):



and/or a modified derivative thereof, wherein F and G may be a different or the same type of atom, but is not the same atom; and

said Component C is a compound having both of the group (a) and the group (b) in a molecule and/or a modified derivative thereof.

2. (ORIGINAL) The composition according to claim 1, wherein the total amount of the secondary amine structure contained in Components B and C is from 0.001 to 1.0 milliequivalent per mole of trimethylene terephthalate repeating units and the combined content of Components B and C is from 0.001 to 0.2% by weight relative to the entire composition.

3. (PREVIOUSLY PRESENTED) The composition according to claim 1, wherein each of the compounds of Components A, B and C is a stabilizer.

4. (ORIGINAL) The composition according to claim 1 which is a polytrimethylene terephthalate composition comprising a polymer component and said Component C, wherein from 10 to 100% by mole of said polymer component is polytrimethylene terephthalate composed of trimethylene terephthalate repeating units.

5. (PREVIOUSLY PRESENTED) The composition according to claim 1, wherein Component B is at least one selected from the group consisting of a reaction product of N-phenylbenzenamine with 2,4,4-trimethylpentene, 3-(N-salicyloyl)amino-1,2,4-triazole, decamethylene carboxylic acid disalicyloyl hydrazide and modified derivatives thereof.

6. (PREVIOUSLY PRESENTED) The composition according to claim 1, wherein Component C is at least one selected from the group consisting of N,N-hexane-1,6-diylbis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionamide], 2,6-di-tert-butyl-4-(4,6-bis(octylthio)-1,3,5-triazin-2-ylamino)phenol and modified derivatives thereof.

7. (PREVIOUSLY PRESENTED) The composition according to claim 1, further comprising a compound containing a sulfur atom and/or a modified derivative thereof, wherein said sulfur atom ranges from 0.001 to 1.0 millimole per mole of trimethylene terephthalate repeating units.

8. (ORIGINAL) The composition according to claim 7, wherein the compound containing a sulfur atom comprises a compound having a thioether group and/or a modified derivative thereof.

9. (PREVIOUSLY PRESENTED) The composition according to claim 1, wherein from 10 to 80% by mole of the polymer component in the composition is composed of trimethylene terephthalate repeating units.

10. (ORIGINAL) The composition according to claim 9, wherein from 10 to 80% by mole of the polymer component in the composition is trimethylene terephthalate composed of trimethylene terephthalate repeating units, and from 90 to 20% by mole of the polymer component is composed of repeating units of at least one resin selected from the group consisting of a polyester, a polycarbonate and a polyolefin, other than polytrimethylene terephthalate.

11. (ORIGINAL) The composition according to claim 9, wherein from 90 to 20% by mole of the composition is at least one polymer selected from the group consisting of polyethylene terephthalate, polybutylene terephthalate, polyethylene naphthalate, a polycarbonate and a copolymer thereof mainly comprising the same.

12. (CURRENTLY AMENDED) A process for producing the polytrimethylene terephthalate composition according to ~~any~~ claim 1, comprising adding a combination of Component A and Component B, and/or Component C, either directly or as a solution or a dispersion in a glycol mainly composed of trimethylene glycol, to the polymer after completion of polycondensation while the polymer is in a molten state before being cooled and solidified, or to the polymer which is obtained by remelting a once-solidified polymer, at any time point during the polymerization to the complete cooling of the product after the completion of the reaction.

13. (PREVIOUSLY PRESENTED) A process for producing the polytrimethylene terephthalate composition according to claim 1, comprising incorporating a combination of Component A and Component B, and/or Component C during the kneading of the polymer.

14. (PREVIOUSLY PRESENTED) A fiber or a molded article comprising the polytrimethylene terephthalate composition according to claim 1.

15. (PREVIOUSLY PRESENTED) The composition according to claim 2, wherein each of the compounds of Components A, B and C is a stabilizer.

16. (PREVIOUSLY PRESENTED) The composition according to claim 15, wherein Component B is at least one selected from the group consisting of a reaction product of N-phenylbenzenamine with 2,4,4-trimethylpentene, 3-(N-salicyloyl)amino-1,2,4-triazole, decamethylene carboxylic acid disalicyloyl hydrazide and modified derivatives thereof.

17. (PREVIOUSLY PRESENTED) The composition according to claim 16, wherein Component C is at least one selected from the group consisting of N,N-hexane-1,6-diylbis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionamide], 2,6-di-tert-butyl-4-(4,6-bis(octylthio)-1,3,5-triazin-2-ylamino)phenol and modified derivatives thereof.

18. (PREVIOUSLY PRESENTED) The composition according to claim 17, further comprising a compound containing a sulfur atom and/or a modified derivative thereof, wherein said sulfur atom ranges from 0.001 to 1.0 millimole per mole of trimethylene terephthalate repeating units.

19. (PREVIOUSLY PRESENTED) The composition according to claim 18, wherein the compound containing a sulfur atom comprises a compound having a thioether group and/or a modified derivative thereof.

20. (PREVIOUSLY PRESENTED) The composition according to claim 19, wherein from 10 to 80% by mole of the polymer component in the composition is composed of trimethylene terephthalate repeating units.

21. (PREVIOUSLY PRESENTED) The composition according to claim 20, wherein from 10 to 80% by mole of the polymer component in the composition is trimethylene terephthalate composed of trimethylene terephthalate repeating units, and from 90 to 20% by mole of the polymer component is composed of repeating units of at least one resin selected from the group consisting of a polyester, a polycarbonate and a polyolefin, other than polytrimethylene terephthalate.

22. (PREVIOUSLY PRESENTED) The composition according to claim 20, wherein from 90 to 20% by mole of the composition is at least one polymer selected from the group consisting of polyethylene terephthalate, polybutylene terephthalate, polyethylene naphthalate, a polycarbonate and a copolymer thereof mainly comprising the same.

23. (CURRENTLY AMENDED) A process for producing the polytrimethylene terephthalate composition according to any claim 22, comprising adding a combination of Component A and Component B, and/or Component C, either directly or as a solution or a dispersion in a glycol mainly composed of trimethylene glycol, at any time point during the polymerization to the complete cooling of the product after the completion of the reaction.

24. (PREVIOUSLY PRESENTED) A process for producing the polytrimethylene terephthalate composition according to claim 22, comprising incorporating a combination of Component A and Component B, and/or Component C during the kneading of the polymer.

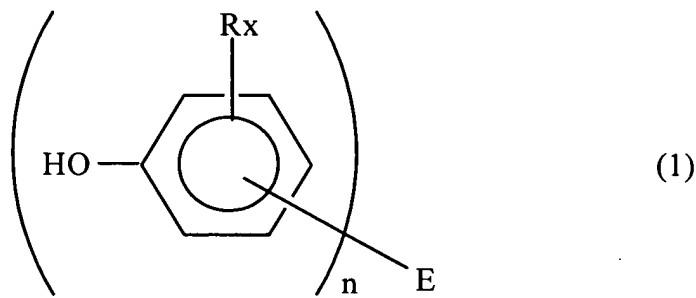
25. (PREVIOUSLY PRESENTED) A fiber or a molded article comprising the polytrimethylene terephthalate composition according to claim 22.

26. (NEW) A polytrimethylene terephthalate composition comprising a polymer component and Component C, wherein

from 10 to 100% by mole of said polymer component is polytrimethylene terephthalate composed of trimethylene terephthalate repeating units,

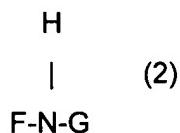
said Component C is a compound having in a molecule both a phenolic hydroxy group (a) and a secondary amine structure (b),

the phenolic hydroxy group (a) is represented by formula (1):



wherein each R is independently selected from C₁₋₃₀ alkyl and at least one R is in the ortho position with respect to the respect phenolic hydroxy group; X is an integer of 1 to 4; E is C₅₋₅₀ hydrocarbyl or heterocarbyl; and n is an integer of 1 to 4, and

the secondary amine structure (b) is represented by formula (2):



wherein F and G may be a different or the same type of atom, but is not the same atom; and/or a modified derivative thereof.

THE REMAINDER OF THIS PAGE LEFT INTENTIONALLY BLANK.